

[REDACTED]

531

ISEE 3

SOLAR WIND DATA

HOURLY S.W. PARAMS BASED ON ELECTRONS

78-079A-01D

78-079A-01K

ISEE 3

SOLAR WIND DATA, 5-MIN, MAG TAPE

78-079A-01D

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT
CONTAINED ONE 9-TRACK, 1600 BPI TAPE WRITTEN IN BINARY.
THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480
CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE
ORIGINAL TAPE WAS CREATED ON AN IBM 3081 COMPUTER. THE
DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND
THE TIME SPAN IS AS FOLLOWS:

| DR# | DS# | D# | FILES | TIME SPAN |
|----------|----------|---------|-------|---------------------|
| DR004254 | DS004254 | D047381 | 1 | 08/16/78 - 02/19/80 |

ISEE-3

78-079A-01D

5-Minute Data Based on Ions

This data set consists of 1 magnetic tape. The tape is 1600 bpi, Binary, 9-track and was created on an IBM 3081 computer. This is a cleaned up version of the LASL data. The replacement data was provided by Joe King. The D and C numbers along with the time span of the data are as follows:

| DD Number | DC Number | Files | Timespan |
|-----------|-----------|-------|---------------------|
| ----- | ----- | ---- | ----- |
| DD-047381 | DC-022147 | 1 | 08/16/78 - 02/19/80 |

D-47381

Solar Wind Plasma Parameter from ISEE-3
from Los Alamos Plasma Group

A tape has been sent to NSSDC that contains the most important solar wind parameters of interest to the general science community. A description of the contents of the tape is given in the enclosed table. Details concerning timing and method of calculation of the data are briefly discussed below. A close reading of this document will help the reader understand the range of validity of the data set.

THE TAPE

The tape was written by our VAX 11/780 with a ANSI standard label. The LABEL is NSSDC for the tape supplied to the data center (NSSDC). A similar tape generated at Los Alamos is labeled IC3SW. All tapes consist of one data file (Name = NSSDC.SR) with 14 elements per record. A complete list of tape characteristics is given in the table.

The Solar Wind Data

The solar wind parameter data on this tape were calculated from search mode spectra, which were measured once every ~5.2 minutes. However, the complete measurement required only ~3.5 seconds to complete. Thus, the data records represent snapshots of the solar wind taken approximately 5.2 minutes apart.

Timing

A search mode spectrum is composed of two individual measurements obtained on two successive rotations, each requiring 0.5 seconds to complete. The time tag applied to each parameter set represents the start time of the second measurement. Thus, the average time of measurement is actually 1/2 of one spin period earlier than given. This is approximately 1.5 sec, a timing offset much too small to effect any results from this data set.

Coordinate Systems

The coordinate system used to determine spacecraft location is different from the system used in our solar wind parameter calculations. The ISEE-3 spacecraft coordinates (GSE) listed in the table are: The positive x-axis points radially toward the sun from the earth; the positive y-axis points east of the sun; and the positive z-axis points toward the North Pole. The coordinates used in solar wind calculations are: The positive x-axis points radially away from the sun through the spacecraft; the positive y-axis points west of the sun; and the positive z-axis lies along the spin axis of the spacecraft (North Pole).

Bad Points

While the data have been scanned for bad points, and the majority eliminated, several remain in the final data set. Some caution should be used in forming averages so that the few bad points do not drastically affect the results.

Numerical Calculation of Parameters:

The ion parameters listed in Table 1 were calculated by numerically integrating the Measured distribution function. The helium calculations were made by assuming all counts above a certain energy level, based on the position of the hydrogen peak, were due to helium ions. This assumption is accurate when the hydrogen thermal temperature is small. As the hydrogen temperature increases part of the hydrogen distribution will be counted as helium ions. No correction has been made for this effect in this particular calculation. If the hydrogen temperature rises above a certain temperature, no helium calculations are made, and the corresponding He parameters are set to zero.

The Parameter Listing

A simple continuous listing of several of the parameters on the originally submitted tape is available on microfiche from NSSDC. No header information is given for this listing, which is composed of one line of output for each search mode spectrum. This line contains the following information: Date (YR:M:DAY), Time (UT:SEC) and (Seconds of day), hydrogen density (cm^{-3}), hydrogen bulk velocity (km/sec), hydrogen bulk flow direction (deg), hydrogen parallel and perpendicular temperature (K), (To find the average hydrogen temperature use $T_{AV} = (T_{||} + 2T_{\perp})/3$).

LOS ALAMOS

ISEE-3 SOLAR WIND PARAMETERS

RECORD FORMAT

| <u>WORD</u> | <u>NAME</u> | <u>FORMAT</u> | <u>DESCRIPTION</u> |
|-------------|-------------------------------------|---------------|--|
| 1 | YEAR | I*4 | Year (78,79,80) |
| 2 | CDAY | I*4 | CDAY (JAN 1=1) |
| 3 | SECONDS | R*4 | Seconds of day |
| 4 | S/C X-GSE | R*4 | S/C X POSN, positive toward sun (Re) |
| 5 | S/C Y-GSE | R*4 | S/C Y POSN, positive toward east of sun |
| 6 | S/C Z-GSE | R*4 | S/C Z POSN, positive toward north pole |
| 7 | N _H (cm ⁻³) | R*4 | Hydrogen Density (cm ⁻³) |
| 8 | V _H (km/s) | R*4 | Hydrogen Bulk Flow Velocity (km/sec) |
| 9 | Q _{VH} (deg) | R*4 | Hydrogen Bulk Flow azimuthal angle (deg) |
| 10 | T _H _{AV} (°K) | R*4 | Hydrogen Average Temperature (°K) |
| 11 | T _H (°K) | R*4 | Hydrogen Parallel Temperature (°K) |
| 12 | T _H ⊥ (°K) | R*4 | Hydrogen Perpendicular Temperature (°K) |
| 13 | N _{HE} (cm ⁻³) | R*4 | Helium Density (cm ⁻³) |
| 14 | T _{HE} AV (°K) | R*4 | Helium Average Temperature (°K) |

TAPE CHARACTERISTICS:

RECFM=FB
 LRECL=56
 BLKSIZE=5600
 BINARY
 DEN=3 (1600)

78-079A-01K

REQ. AGENT

RAND #

ACQ. AGENT

LSM
DAC

V0129
V0280

HKH
DAC

ISEE 3

SOLAR WIND PLASMA

78-079A-01K Hourly averages based on electrons

This data set consists of 1 tape. The tape is 1600 BPI,
ASCII, 9-track and was created on a VAX 11/780 computer. The D and
C numbers along with the time span are as follows:

| D# | C# | FILE | TIME SPAN |
|---------|---------|------|---------------------|
| D-65241 | C-24643 | 15 | 08/16/78 - 10/16/82 |

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

DATE: 22 February 1985
IN REPLY REFER TO: ESS-8-85:100-210
MAIL STOP: D438
TELEPHONE: (505) 667-3897

Dr. Joe King
Code 633
Central Data Services Facility/NSSDC
Goddard Space Flight Center
Greenbelt, MD 20771

Dear Joe:

The enclosed tape contains hour averaged plasma electron data from the Los Alamos solar wind experiment on ISEE-3. It covers the time frame from Launch in August 1978 until ISEE-3 entered the earth's magnetotail in October 1982. The electron data have been corrected and normalized to the existing ion data. Thus, the bulk parameters should be considered to be reliable and of high quality. You should be aware that, unfortunately, there remains a few "bad" points on the tape.

When we have written up the algorithm used in the correction procedure, I will send you a copy. Until then, please inform users that the standard errors associated with the bulk parameters are higher for electrons than for ions.

The contents of the tape are as follows:

Fortran Format: (I12, F12.4, 6E12.5)

Record Format:

- | | |
|------------------------|---------------------|
| 1) Date | (Yr-Month-Day) |
| 2) Universal time | (HRMIN) |
| 3) GSEX | (Re) |
| 4) GSEY | (Re) |
| 5) GSEZ | (Re) ₃ |
| 6) Electron density | (cm ⁻³) |
| 7) Bulk speed | (km/sec) |
| 8) Average temperature | (k) |

VAX 11/780 STANDARD LABEL FORMAT: ISEE3
Block Size 2048
1600 BPI

Sincerely,

Ron Zwickl

Enc.a/s

Cy: S. Bame, ESS-8
CRM-4 (2) A150

DUMP OF TAPE DOUT1

D-47381
8/14/78 - 02/4/24

| INPUT | TAPE | DOUT1 | ON | TUI | H5 | FL | 1 | 1 | 1 | 2 | 3 | 8 | |
|-------|-------|-----------|-----------|-----------|----------|----------|-----------|-----------|------------|----------|-----------|---|--|
| FILE | 1 | RECORD | 78 | | | | 1 | LENGTH | 5600 BYTES | | | | |
| (| 0) | 00000004E | 0000000d4 | 44DC8E00 | 42518C49 | C1786B89 | 418F147A | 421764DD | 4313DBAE | 413A1D14 | 445F7F00 | | |
| (| 40) | 449A9100 | 4441F500 | 00000000 | 00000000 | 0000004E | 44DD2E19 | 42519333 | C17871DE | 418F1FF2 | | | |
| (| 80) | 42181439 | 4313C385 | 4137F006 | 4456FD00 | 448B4000 | 443CDC00 | 00000000 | 0000004E | 0000004E | 0000004E | | |
| (| 120) | 44DDE066 | 42519916 | C17876C8 | 418F29C7 | 4217E6E9 | 4313E333 | 413B0902 | 445E0400 | 449AD200 | 443F9D00 | | |
| (| 150) | 00000000 | 00000000 | 0000004E | 0000004E | 44DE80B3 | 42519EF9 | C1787BB2 | 418F3333 | 4217EAC0 | 4313D828 | | |
| (| 200) | 413B43FE | 4449C400 | 4442CA00 | 444D4100 | 00000000 | 00000000 | 0000004E | 000000E4 | 44CF32CC | 4251A49B | | |
| (| 240) | C1788034 | 418F3C9E | 4215FEF9 | 4143C56D | 445AFEO0 | 44941700 | 443E7200 | 00000000 | 00000000 | 00000000 | | |
| (| 280) | 0000004E | 0000004E | 44DFD319 | 4251AB85 | 418F4816 | 421AB2B0 | 4313D35C | 413519CE | 4459C900 | | | |
| (| 320) | 4488D900 | 44424000 | 00000000 | 0000004E | 000000E4 | 44E04BB3 | 4251AFIA | C1788BCE | 418F4DD2 | | | |
| (| 350) | 4215F74B | 4313D0A3 | 413C5041 | 445D5200 | 449AFD00 | 443E7C00 | 00000000 | 0000004E | 000000E4 | 000000E4 | | |
| (| 400) | 44E17D00 | 4251BA9F | C178925A | 418F6113 | 42183893 | 4313D614 | 413A3C9E | 4463CB00 | 44A3A700 | 4443DD00 | | |
| (| 440) | 00000000 | 00000000 | 0000004E | 000000E4 | 44E2C066 | 4251C624 | C1789CE | 418F73EA | 4216CATE | 4314375C | | |
| (| 480) | 413F7C7E | 4464FB00 | 44A02100 | 44476800 | 00000000 | 0000004E | 44E3F199 | 4251D1EB | | | | |
| (| 520) | C178A5E3 | 413872B | 42194B02 | 43146385 | 4139A8C1 | 44493F00 | 4451B00 | 4453200 | 00000000 | 00000000 | | |
| (| 560) | 0000004E | 000000E4 | 444E534B3 | 418F9A02 | 4251D070 | C178AF4F | 421752F1 | 43141F5C | 41428BAC | 4463CE00 | | |
| (| 600) | 449H5E00 | 4447E600 | 00000000 | 00000000 | 0000004E | 000000E4 | 44E64AE6 | 4251E6A7 | C178B717 | 418FA993 | | |
| (| 640) | 42191A51 | 43139E66 | 41212617 | 445C2700 | 44805C00 | 444AA0D00 | 00000000 | 0000004E | 000000E4 | 000000E4 | | |
| (| 680) | 44E8DD99 | 4251FE8B | C178CB92 | 418F0D14 | 445FEC00 | 40AEFT7E3 | 445FEC00 | 449DD800 | 4440F600 | | | |
| (| 720) | 00000000 | 00000000 | 0000004E | 000000E4 | 44E9B19 | 425206E9 | C178D288 | 418FED2 | 4313DA1C | 4313AB85 | | |
| (| 760) | 40C5F7A4 | 444F7D00 | 44548A00 | 444CF700 | 00000000 | 00000000 | 0000004E | 000000E4 | 44EAEB4C | 4252126E | | |
| (| 800) | C178DBF4 | 418FF1A9 | 421A947A | 43134599 | 41259C0E | 445D6000 | 447C4200 | 444DEF00 | 00000000 | 00000000 | | |
| (| 840) | 0000004E | 000000E4 | 44EBA666 | 42521851 | C178E0DE | 418FFB15 | 421D38D4 | 431305C2 | 41197175 | 444A2600 | | |
| (| 880) | 445E2600 | 44402600 | 00000000 | 00000000 | 0000004E | 000000E4 | 44ECD7B3 | 42522307 | C178EB1C | 41900DED | | |
| (| 920) | 421B2C8F | 43131451 | 413BC28F | 443C7000 | 44451900 | 44381B00 | 00000000 | 00000000 | 0000004E | 000000E4 | | |
| (| 960) | 44E29919 | 42522AAC | C178F0D8 | 41919635 | 421E1A47 | 43137585 | 4453E400 | 4486BF00 | 443A7600 | | | |
| (| 1000) | 00000000 | 00000000 | 0000004E | 000000E4 | 44FFF980 | 4252D333 | C1798240 | 41912F1A | 421F56C8 | 4313D4CC | | |
| (| 1040) | 413BD4FD | 444CED00 | 4480CA00 | 4432FF00 | 00000000 | 0000004E | 000000E4 | 000000E4 | 451013CE | 4252DEB8 | | |
| (| 1080) | C1798C7E | 419141F2 | 421D2C8B | 4313BE8F | 41382F1A | 4475D800 | 44975E00 | 4022CE46 | 44831B00 | | | |
| (| 1120) | 0000004E | 000000E4 | 451026E3 | 4252EA3D | C1799652 | 419154C9 | 421F6E53 | 4313F05 | 412F6D5C | 44450C00 | | |
| (| 1160) | 446227D0 | 4467E00 | 00000000 | 00000000 | 0000004E | 000000E4 | 45103B18 | 425F581 | C179A027 | 419167A0 | | |
| (| 1200) | 421E87AE | 4313CB5C | 41318240 | 44522C00 | 4492DC00 | 4431D300 | 401F18A8 | 4428700 | 0000004E | 000000E4 | | |
| (| 1240) | 45104E28 | 4252FFBE | C179A92A | 4191786C | 4220AA3D | 4313E1C2 | 413A3C9E | 44397100 | 4447330 | 44328F00 | | |
| (| 1280) | 00000000 | 00000000 | 0000004E | 000000E4 | 4510625C | 42530B43 | C179B367 | 41918B43 | 4220547A | 4313BF0A | | |
| (| 1320) | 41445F06 | 44595E00 | 449ECC50 | 44369100 | 00000000 | 0000004E | 000000E4 | 0000004E | 45107573 | 425316C8 | | |
| (| 1360) | C179BD3C | 41919E1B | 421C4800 | 4313E353 | 413A54C9 | 4456C900 | 44969300 | 4436E400 | 00000000 | 411C5FD8 | | |
| (| 1400) | 0000004E | 000000E4 | 45109CBB | 42532D91 | C179C39 | 4191C3C9 | 421A3B7 | 43143051 | 411C5FD8 | 4474E700 | | |
| (| 1440) | 44BFBA00 | 444F7E00 | 4079C38B | 44E1DC00 | 0000004E | 4510B0EC | 425338D4 | C179DC5D | 4191D638 | | | |
| (| 1480) | 421AF0E5 | 431434A3 | 40EA0AFA | 44692100 | 44A64500 | 4448F00 | 00000000 | 0000004E | 000000E4 | 000000E4 | | |
| (| 1520) | 4510B81B | 42533C28 | C179DDE2 | 4191DBF4 | 421B04D0 | 4314330A | 4111381D | 44563F00 | 446D2E00 | 444AC800 | | |
| (| 1560) | 00000000 | 00000000 | 0000004E | 000000E4 | 4510D228 | 42534B02 | C179EC56 | 4191F41F | 421CE24D | 43142CA3 | | |
| (| 1600) | 4113E9E1 | 4587E00 | 447D4300 | 44618000 | 45116FA0 | 0000004E | 4510E53E | 42535687 | | | | |
| (| 1640) | 419206F6 | 42196560 | 43142E66 | 4468F600 | 44963B00 | 44525300 | 4510BEC | 42538D4 | 4191D638 | | | |
| (| 1680) | 0000004E | 000000E4 | 4510F973 | 425361CA | C17A00D1 | 419219CE | 42174666 | 43144A3D | 40861719 | 44656B00 | | |
| (| 1720) | 4483630C | 44566F00 | 00000000 | 00000000 | 0000004E | 000000E4 | 45110C88 | 42536D4F | C17A0B0F | 41922C3C | | |
| (| 1760) | 421T2083 | 43141DEB | 4048FB51A | 447B0F00 | 448B4B00 | 445AF100 | 4018F15E | 4515AECD | 0000004E | 000000E4 | | |
| (| 1800) | 45112D98 | 425374B | C17A1412 | 41923D07 | 45116FA0 | 0000004E | 4510F4D8 | 45140CC | 451316A0 | | | |
| (| 1840) | 00000000 | 00000000 | 0000004E | 000000E4 | 45113C3C | 425382D0 | 44963B00 | 44525300 | 41924FDF | 41CF6A7 | | |
| (| 1880) | 4114EDFA | 44EC0300 | 45132B8D0 | 44C8BE00 | 00000000 | 0000004E | 000000E4 | 45114B01 | 42538E14 | | | |
| (| 1920) | C17A288C | 41926240 | 41D4C834 | 4314EAE1 | C140C63F | 45132080 | 4516C320 | 45114F30 | 00000000 | 00000000 | | |
| (| 1960) | 0000004E | 000000E4 | 45116F48 | 447B0F00 | 448B4B00 | 445AF100 | 4018F15E | 4515AECD | 43147B85 | 402529D0C | | |
| (| 2000) | 41C8F5C2 | 4314F87A | C17A0DE69 | 451258A0 | 44963B00 | 445189A20 | 448F37F00 | 447A1E4F | 41924FDF | 41CF6A7 | | |
| (| 2040) | 45119E91 | 4253B5A5 | C17A50B0 | 4192A336 | 41AD4395 | 431448F5 | 408D82D4 | 4511C460 | 45186120 | 44E76000 | | |
| (| 2080) | 4011EA9A | 452706C0 | 0000004E | 4511A9A6 | 4253C5A1 | C17A5AEE | 4192BDA5 | 41C1B5AE | 43141F0A | | | |
| (| 2120) | 0000004E | 000000E4 | 45123290 | 45187220 | 44F12A00 | 00000000 | 0000004E | 4511B0D6 | 425300E5 | | | |
| (| 2160) | C17A652B | 4192438C | 413E498A | 4512D890 | 4512B90 | 45116F48 | 451258A0 | 4511825C | 425382D0 | 4192A6B | | |
| (| 2200) | 0000004E | 000000E4 | 45115E21 | 45115E21 | 45115E21 | 45115E21 | 45115E21 | 45115E21 | 45115E21 | 45115E21 | | |
| (| 2240) | 4253E7A | 45115E21 | 45115E21 | 45115E21 | 45115E21 | 45115E21 | 45115E21 | 45115E21 | 45115E21 | 45115E21 | | |
| (| 2280) | 4517BFFC | 44CC9500 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | | |

D-47381
8/14/78 - 02/4/24

| | | | | | | | | |
|--------|-----------|-----------|------------|-----------|----------|-----------|-----------|-----------|
| (2320) | 41C32B02 | 431454F5 | 40303588 | 4515D400 | 45118DE0 | 00000000 | 0000004E | 000000E4 |
| (2360) | 45120C69 | 4253FD2F | C17A8DR8 | 41931893 | 41C72F1A | 4314970 | 402E39D5 | 45146140 |
| (2400) | 00000000 | 00000000 | 0000004E | 000000E4 | 45121F79 | 42540872 | C17A985F | 41932B6A |
| (2440) | 4023DA51 | 4516AC10 | 45194240 | 451560E0 | 00000000 | 0000004E | 000000E4 | 45123B80 |
| (2480) | C17AA29C | 41933D00 | 41C25A1C | 43146C51 | 4012D83C | 45153060 | 451A4140 | 4512A7C0 |
| (2520) | 00000004E | 00000004E | 45146C64 | 452541EF | 41935048 | 41C547AE | 43146D99 | 45186C00 |
| (2560) | 45194F60 | 45150E00 | 00000000 | 00000000 | 0000004E | 45125AF9 | 42542A3D | 4510DC00 |
| (2600) | 41C50624 | 43143A03 | C0258D79 | 45183C80 | 451A5720 | 45172F40 | 00000000 | 43144785 |
| (2640) | 45126E09 | 42543439 | C17AC0EB | 41937381 | 41AC524D | 431457AE | BFFB6241 | 43144785 |
| (2680) | 00000000 | 00000000 | 0000004E | 00000004 | 4512B23E | 42543F7C | C17ACBFB | 419385F0 |
| (2720) | C017F06 | 451718B0 | 4515C800 | 419385F0 | 4000004E | 0000004E | 4512A988 | 451679B0 |
| (2760) | C17AE075 | 4193AACD | 41C2872B | 43144570 | 451D1BE0 | 45125A630 | C17AB7E9 | 419362B6 |
| (2800) | 0000004E | 00000000 | 4512D0CE | 42546C83 | C17AF5C2 | 4193D013 | 41BE5A1C | 45126970 |
| (2840) | 451C43A0 | 45152060 | 00000000 | 00000000 | 4519E100 | 45160D00 | 4512E3E3 | 425476C8 |
| (2880) | 41C4D52F | 4314723D | 40C3ADCO | 45175830 | 451BAC60 | 45153270 | 4513BC7B | 4193E075 |
| (2920) | 45130B28 | 42548D4F | C17B147A | 41940553 | 41BE4D02 | 4314563D | 40392E1E | 4519E600 |
| (2960) | 00000000 | 0000004E | 45132737 | 42543A35 | 41C19296 | 4517B2C7 | 41942A30 | 4314A400 |
| (3000) | 40E25E74 | 4517CB10 | 45105480 | 45158660 | 00000000 | 0000004E | 451346A8 | 4254AED9 |
| (3040) | C17B3404 | 41943C9E | 419FE3BC | 4314A451 | 40273C83 | 45160D00 | 4519E100 | 45142310 |
| (3080) | 0000004E | 00000000 | 451359BB | 4254B8D4 | C17B3D09 | 41944D01 | 41AE1062 | 4314CA88 |
| (3120) | 45126020 | 451517F90 | 00000000 | 45136DEC | 41B4E4D2 | 4254C418 | 4519B20 | 4517B5C0 |
| (3160) | 41A7A1CA | 4314F0F5 | C11241F20 | 451241F20 | 45179600 | 451D1BE0 | 45100000 | 40392E1E |
| (3200) | 45139536 | 4254DA9F | C17B5E35 | 41948440 | 41A8B439 | 4314CE66 | C0903D9A | 4519B360 |
| (3240) | 00000000 | 00000000 | 0000004E | 0000004E | 4513A84B | 4254E5A1 | C17B68DB | 419496BB |
| (3280) | C0E6392E | 451AEA0 | 45164180 | 45103EE0 | 00000000 | 0000004E | 4519F830 | 41A20418 |
| (3320) | C17B72B0 | 419471D | 41A09FBE | 4314D30A | 404F7B9E | 4519CA80 | 451F78E0 | 4314E8F |
| (3360) | 0000004E | 00000000 | 4513F6D9 | 42551168 | C17B923A | 4194D0E0 | 419C0200 | 45168950 |
| (3400) | 45179D80 | 00000000 | 00000000 | 45140B09 | 45194020 | 4255123D | 4315123D | 451663C7 |
| (3440) | 00000000 | 00000000 | 0000004E | 0000004E | 451B6700 | 4513DAC0 | 00000000 | 451F2C00 |
| (3480) | 45141E20 | 425527AE | C17B47EF | 41950275 | 419EF837 | 4314D266 | C0C77271 | 45157500 |
| (3520) | 00000003 | 00000000 | 0000004E | 00000004 | 45143254 | 425531A9 | C17B822D | 4519E600 |
| (3560) | C0C896BB | 45160630 | 451493F8 | 42556978 | C17B8A7 | 45144040 | 00000000 | 40000000 |
| (3600) | C17BCTE2 | 419537B4 | 41A978D4 | 42551168 | 41A978A3 | 4514F5F0 | 45140B09 | 4516F6E0 |
| (3640) | 0000004E | 00000000 | 45144C5E8 | 4314C5EB | C0B6D330 | 45165ED0 | 451B6700 | 45194F06F |
| (3680) | 451724F0 | 451980C0 | 00000000 | 00000000 | 4519B7EF | 419549BA | 4513DAC0 | 4514E8F |
| (3720) | 41BAA6666 | 4314D028 | C1226113 | 451C9580 | 45207100 | 45143254 | 425531A9 | 45152820 |
| (3760) | 451493F8 | 42556978 | C17B8A7 | 41956E2E | 41AFCED9 | 43149B33 | C11CC9580 | 4314D5C2 |
| (3800) | 00000000 | 00000000 | 45159300 | 45144040 | 45144040 | 45144040 | 00000000 | 451B3D80 |
| (3840) | 418A45A1 | 4314C6B8 | 4113119C | 4513A880 | 451898E0 | 451530C0 | 00000000 | 4514599B |
| (3880) | C114FF97 | 45199BAA | 451D2FED | 45146CAE | 451D7170 | 451D8288 | 419549BA | 4514CDEB |
| (3920) | C17C12D7 | 4195B573 | 41A1CED9 | 451480C0 | 00000000 | 0000004E | 451480E4 | 4514E04 |
| (3960) | 411CB089 | 4513CF90 | 451509CC | 4255A9BA | 45207100 | 4514A7C0 | 00000000 | 4514C520 |
| (4000) | C17D5CFA | 4197C9EE | 418C3126 | 41956E2E | 41956E2E | 41957D7B | 4195D7DB | 451731E0 |
| (4040) | 0000004E | 00000000 | 45159300 | 45159300 | 45159300 | 45159300 | 00000000 | 45172FEC |
| (4080) | 00000000 | 00000000 | 00000000 | 00000000 | 45159300 | 45159300 | 00000000 | 419781D7 |
| (4120) | 411CB089 | 4513CF90 | 45151C1E20 | 4255A9BA | 45207100 | 4515A7C0 | 00000000 | 451B2FEC |
| (4160) | C17D5CFA | 4197C9EE | 418C3126 | 41956E2E | 41956E2E | 41957D7B | 41957D7B | 419781D7 |
| (4200) | 0000004E | 00000000 | 45159300 | 45159300 | 45159300 | 45159300 | 00000000 | 451C200 |
| (4240) | 441F0728 | 4256C45A | C17D46D0 | 4197A5E3 | 41C14BC6 | 4314C5C2 | 4197A5E3 | 4514E288 |
| (4280) | 00000000 | 00000000 | 00000000 | 00000000 | 4314FD1E | 3F1125A7 | 4514E640 | 4514E745 |
| (4320) | 4427A819 | 42570FDF | 451C1E20 | 44F8A40 | 4255A9BA | 45207100 | 451480E4 | 4514E745 |
| (4360) | 00000000 | 00000000 | 45159300 | 45159300 | 45159300 | 45159300 | 00000000 | 451594BC |
| (4400) | 45198D00 | 451509CC | 45151C1E20 | 44F8A40 | 45159300 | 45159300 | 00000000 | 451594BC |
| (4440) | 45198D00 | 451509CC | 45151C1E20 | 44F8A40 | 45159300 | 45159300 | 00000000 | 451594BC |
| (4480) | 41B3DB22 | 4314F8A3 | 4111FD8A | 44F8A40 | 45159300 | 45159300 | 00000000 | 451594BC |
| (4520) | 4427A819 | 42570FDF | 451C1E20 | 44F8A40 | 45159300 | 45159300 | 00000000 | 451594BC |
| (4560) | 00000000 | 00000000 | 45159300 | 45159300 | 45159300 | 45159300 | 00000000 | 451594BC |
| (4600) | 40BC26FE | 45122B2F0 | 4422B2F1 | 4422B2F1 | 4422B2F1 | 4422B2F1 | 00000000 | 451594BC |
| (4640) | 45198D00 | 451509CC | 45151C1E20 | 44F8A40 | 45159300 | 45159300 | 00000000 | 451594BC |
| (4680) | 41106041 | 4511C280 | 44F8A40 | 44F8A40 | 45159300 | 45159300 | 00000000 | 451594BC |
| (4720) | C17D5CFA | 44FCB900 | 40000000 | 00000000 | 45159300 | 45159300 | 00000000 | 451594BC |
| (4760) | 0000004E | 00000000 | 45159300 | 45159300 | 45159300 | 45159300 | 00000000 | 451594BC |
| (4800) | 451764F0 | 42575062 | C17D5CFA | 4198A71 | 4198A71 | 4198A71 | 00000000 | 451594BC |
| (4840) | 41B3DB22 | 4314F8A3 | 4114F8A3 | 4114F8A3 | 4114F8A3 | 4114F8A3 | 00000000 | 451594BC |
| (4880) | 42575062 | 4314F8A3 | 4114F8A3 | 4114F8A3 | 4114F8A3 | 4114F8A3 | 00000000 | 451594BC |
| (4920) | 00000000 | 00000000 | 45159300 | 45159300 | 45159300 | 45159300 | 00000000 | 451594BC |

